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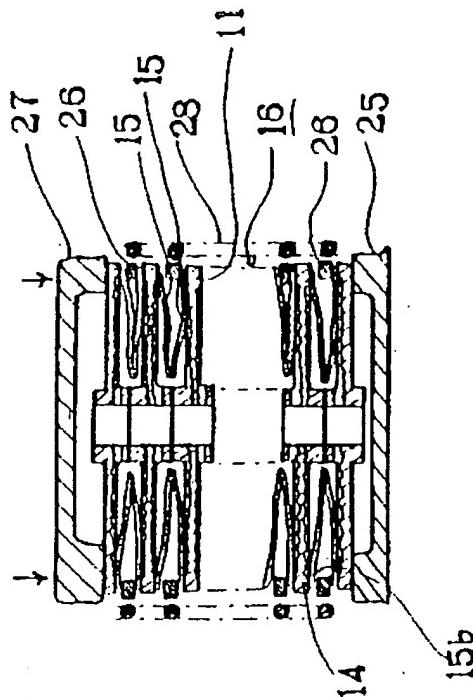
APPLICATION DATE : 31-03-86
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TITLE : MANUFACTURE OF LAMINATED FILTER ELEMENT



ABSTRACT : PURPOSE: To manufacture a filter element effectively by fixing a laminated material in a form of completed filter element to prevent the element from inclining and fusion bonding of filter medium of each layer simultaneously.

CONSTITUTION: A substrate 11 constituting with a fused inner circumference edge of two pieces of ring film filter mediums 15 and a metallic ring 26 inserted between said filter mediums 15 are piled one by one on the required number of layers and a backing jig 25. A coil 28 is placed around the circumference of said laminated material, and a high-frequency current is applied to a coil 28, while being pressed by a press jig 25 from upward. The metallic ring 26 is heated up to heat the filter medium 15, and the outer circumference edge 15b of the filter 15 is fusion bonded with an outer frame 14, acting together with pressure of jigs 25 and 27. After being cooled down, the coil 28 and the metallic ring 26 are removed.

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